

Examples of Open Source Geographic Information Systems (GIS) Software

Name	Description	URL
QGIS	Strongest open source GIS for business mapping with strong community support	http://qgis.org/en/site/
GeoDA	Primarily used to introduce new users into spatial data analysis, geostatistics	https://spatial.uchicago.edu/software
R	Powerful geostatistical software but has command line user interface	https://www.r-project.org/

Other Open Source GIS Software

Name	Description	URL
Diva GIS	Used in biological studies of DNA mapping	http://diva-gis.org/
FalconView	Major use 3D fly-through simulations of combat simulations	https://www.gtri.gatech.edu/initiatives/falconview
Integrated Land and Water Information System (ILWIS)	For planners, biologists, water managers and geospatial users	http://52north.org/communities/ilwis
MapWindow	MapWindow does about 90% of what GIS users need	http://www.mapwindow.org/
OpenJump	Handles large data sets well. Rendering is good with many mapping options.	http://www.openjump.org/
OrbisGIS	Run on Java and does not require installation	http://orbisgis.org/
Whitebox GAT	Best with light detection and ranging (LIDAR)	http://www.uoguelph.ca/~hydrogeo/Whitebox/
gVSIg	Best 3D visualization available in open source GIS	http://www.gvsig.com/en
uDig	Nice open source GIS software option for basic mapping	http://udig.refractions.net/

Other Resources

Information on Open Source GIS Software

- [13 Free GIS Software Options: Map the World in Open Source on the GIS Geography website](#)
 - <http://gisgeography.com/free-gis-software/>
- [What is the best open source GIS software](#)
 - <https://www.quora.com/What-is-the-best-open-source-GIS-software>

Scholarly articles describing open source and commercial GIS software

- [Open source GIS Software on the Dartmouth Library website](#)
 - <http://researchguides.dartmouth.edu/gis/opensource>
- [Evaluating open source GIS for libraries](#)
 - <https://pdfs.semanticscholar.org/aa7e/4b8c92263beb65f500b2e5dc8dab938b8428.pdf>

List of all GIS software (open source and commercial)

- [List of geographic information systems software on Wikipedia.org](#)
 - https://en.wikipedia.org/wiki/List_of_geographic_information_systems_software
- [Mapping Out the GIS Software Landscape](#)
 - <http://gisgeography.com/mapping-out-gis-software-landscape/>

Comparison between ESRI ArcGIS and Open Source QGIS features

- [27 Differences Between ArcGIS and QGIS – The Most Epic GIS Software Battle in GIS History on the GIS Geography website](#)
 - <http://gisgeography.com/qgis-arcgis-differences/>